
Product Name: KD-Validated Moesin Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01006**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 67.8kDa

Antigen Information

Gene Name	MSN
Alternative Names	Moesin; Membrane-Organizing Extension Spike Protein; Epididymis Luminal Protein 70; HEL70; IMD50
Gene ID	4478.0
SwissProt ID	P26038
Immunogen	A synthesized peptide derived from human Moesin

Background

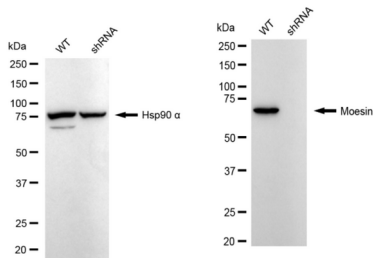
Moesin (for membrane-organizing extension spike protein) is a member of the ERM family which includes ezrin and radixin. ERM proteins appear to function as cross-linkers between plasma membranes and actin-based cytoskeletons. Moesin is localized to filopodia and other membranous protrusions that are important for cell-cell recognition and signaling and for cell

movement. [provided by RefSeq, Jul 2008]

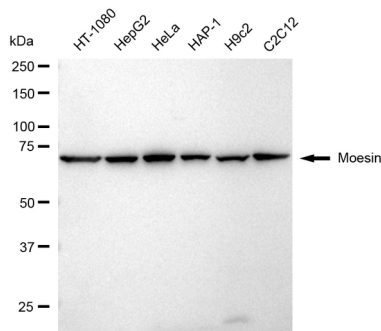
Research Area

Signal Transduction

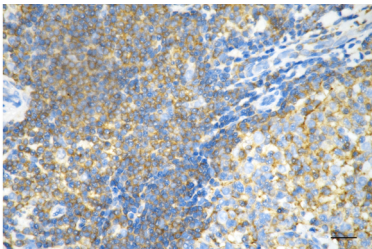
Image Data



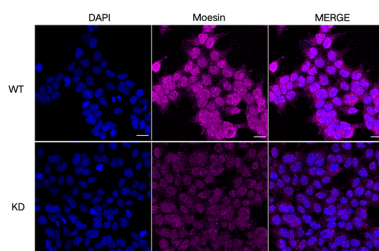
Western blotting analysis using Moesin antibody (KVA01006). Moesin expression in wild type (WT) and Moesin shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Moesin antibody (KVA01006, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



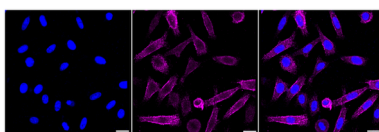
Western blotting analysis using Moesin antibody (KVA01006). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Moesin antibody (KVA01006, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



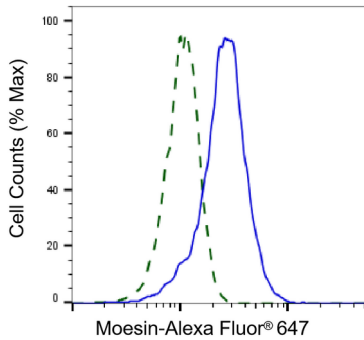
Immunohistochemistry was performed on paraffin-embedded human breast carcinoma using moesin antibody (KVA01006, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



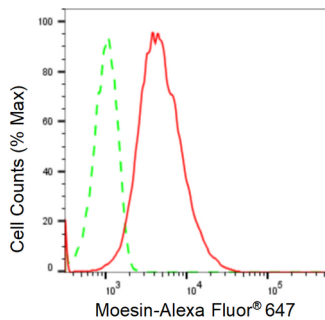
Immunocytochemical staining of HeLa cells using Moesin antibody (KVA01006, 1:1,000). Top panel: wild-type (WT); Bottom panel: Moesin shRNA knockdown (KD). Nuclei were stained blue with DAPI; Moesin was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HeLa cells with Moesin antibody (KVA01006, 1:1,000). Nuclei were stained blue with DAPI; Moesin was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Validation of Moesin knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Moesin antibody (KVA01006, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Moesin expression in HepG2 cells using Moesin antibody (KVA01006, 1:2,000). Green, isotype control; red, Moesin.